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(54) Title: METHODS, PHARMACEUTICAL AND THERAPEUTIC COMPOSITIONS FOR ADMINISTERING ADENOSINE

(57) Abstract: The invention discloses methods for the chronic administration of adenosine, which contrary to the acute delivery of the drug by injection or infusion, acts in desensitizing adenosine receptors towards the action of adenosine. The methods and oral compositions of adenosine triphosphate (ATP), which is degraded to adenosine *in vivo*, can be used in the treatment of disorders and diseases that are therapeutically targeted by agonists or antagonists of adenosine receptors. One example is the stimulation of lipolysis in achieving weight loss in humans and in the treatment of obesity.